

Substitute Declaration and Power of Attorney For Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

MODULATOR AND DEMODULATOR (MODEM),

the specification of which is attached hereto unless the following box is checked:

was filed on June 13, 1996 as

United States Application Number or PCT International Application Number 08/664,953

and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

This Declaration is a substitute Declaration for the Declaration I signed on August 2, 1996.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Not Claimed

7-147235

Japan

14 June 1995

(Number)

(Country)

(Day/Month/Year Filed)

8-002853

Japan

11 January 1996

(Number)

(Country)

(Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

—
(Application Number)

—
(Filing Date)

—
(Application Number)

—
(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Paul F. Prestia	Reg. No. 23,031	Lawrence E. Ashery	Reg. No. 34,515	Mark J. Marcelli	Reg. No. 36,593
Allan Ratner	Reg. No. 19,717	Robert L. Andersen	Reg. No. 25,771	Joshua L. Cohen	Reg. No. 38,040
Andrew L. Ney	Reg. No. 20,300	Christopher R. Lewis	Reg. No. 36,201	Christopher J. Dervishian	Reg. No. 42,480
Kenneth N. Nigon	Reg. No. 31,549	Louis W. Beardell, Jr.	Reg. No. 40,506	Jack J. Jankovitz	Reg. No. 42,690
Kevin R. Casey	Reg. No. 32,117	Rocco L. Adornato	Reg. No. 40,480		
Benjamin E. Leace	Reg. No. 33,412	Jacques L. Etkowicz	Reg. No. 41,738		
James C. Simmons	Reg. No. 24,842	Eric A. Dichter	Reg. No. 41,708		

Address all correspondence to: Lawrence E. Ashery

Ratner & Prestia, Suite 301, One Westlakes, Berwyn, P.O. Box 980, Valley Forge, PA 19482-0980

Address all telephone calls to: Lawrence E. Ashery at (610) 407-0700.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) Mikio Mizutani

Inventor's signature Mikio Mizutani Date December 1, 1998

Residence Tokyo, Japan

Citizenship Japanese

Post Office Address 1-5-30-829, Minamisuna, Koto-ku, Tokyo, 136 Japan

Full name of second joint inventor, if any (given name, family name) Nobuhiko Noma

Second Inventor's signature Nobuhiko Noma Date December 1, 1998

Residence Kanagawa, Japan

Citizenship Japanese

Post Office Address 533-6-201, Kamoshida-cho, Aoba-ku, Yokohama-shi, Kanagawa, 227 Japan

Additional inventors are being named on separately numbered sheets attached hereto.

Full name of third joint inventor, if any (given name, family name) Eizo Katayama

Third inventor's signature Eizo Katayama

Date December 1, 1998

Residence Kanagawa, Japan

Citizenship Japanese

Post Office Address 977-20-911, Maito-cho, Minami-ku, Yokohama-shi, Kanagawa, 232 Japan

Full name of fourth joint inventor, if any (given name, family name) Genzo Takagi

Fourth inventor's signature Genzo Takagi

Date December 1, 1998

Residence Saitama, Japan

Citizenship Japanese

Post Office Address 3-2-5, Yotsuya, Urawa-shi, Saitama, 336 Japan

Full name of fifth joint inventor, if any (given name, family name) Yoshihiro Noguchi

Fifth inventor's signature Yoshihiro Noguchi

Date December 1, 1998

Residence Kanagawa, Japan

Citizenship Japanese

Post Office Address 2-9-2-502, Sakado, Takatsu-ku, Kawasaki-shi, Kanagawa, 213 Japan

Full name of sixth joint inventor, if any (given name, family name) Mitsuhiro Araki

Sixth inventor's signature Mitsuhiro Araki

Date December 1, 1998

Residence Kanagawa, Japan

Citizenship Japanese

Post Office Address 406-1, Shimosakunobe, Takatsu-ku, Kawasaki-shi, Kanagawa, 213 Japan

Full name of seventh joint inventor, if any (given name, family name)

Seventh inventor's signature

Date

Residence

Citizenship

Post Office Address